

FIG. 1

FIG. 2

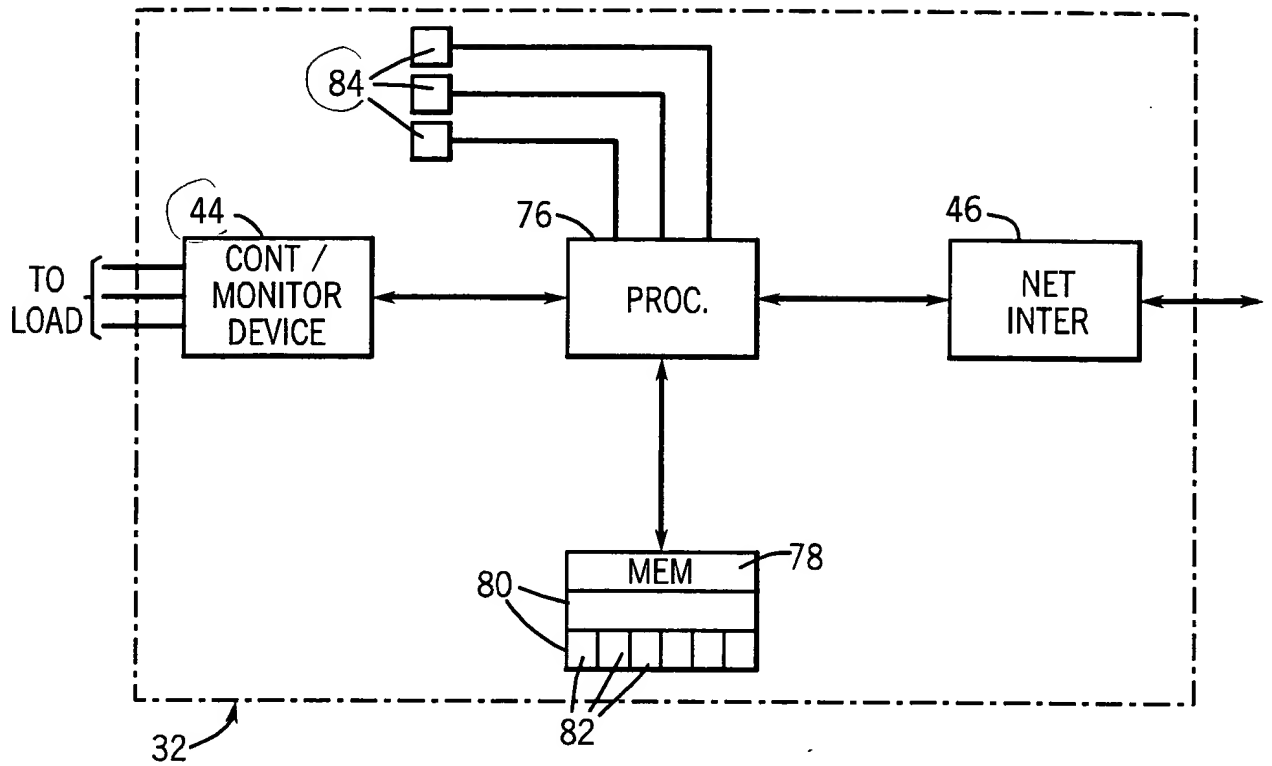
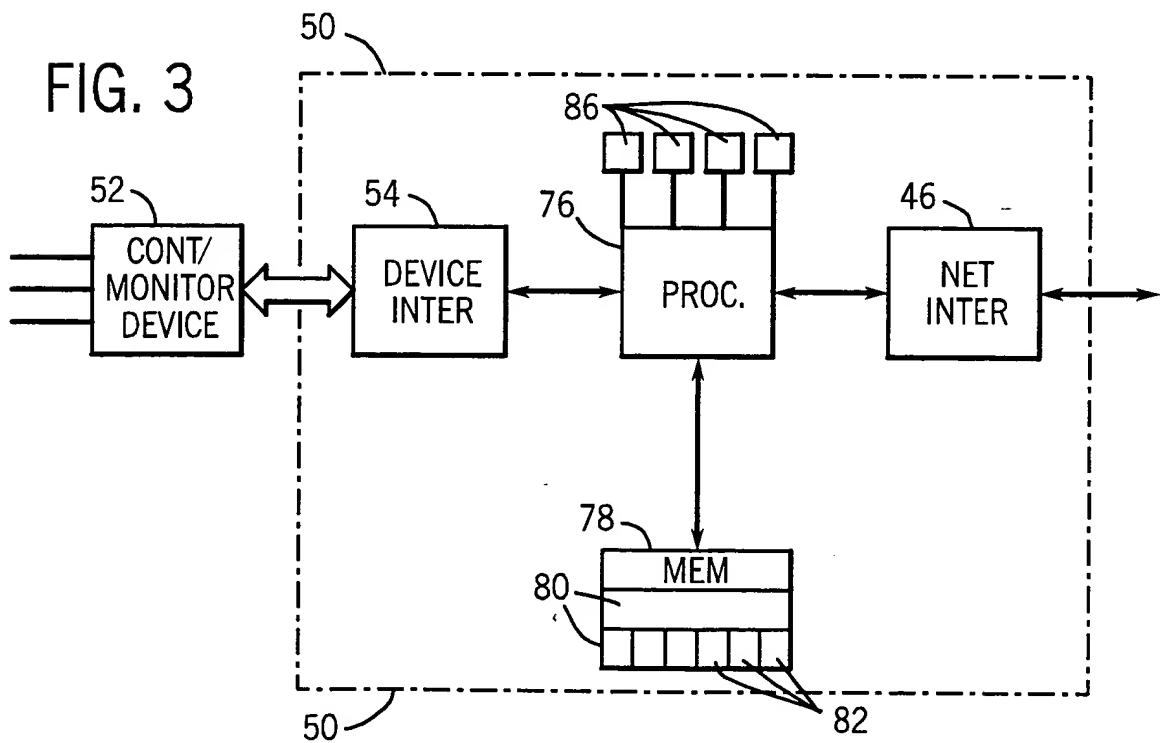
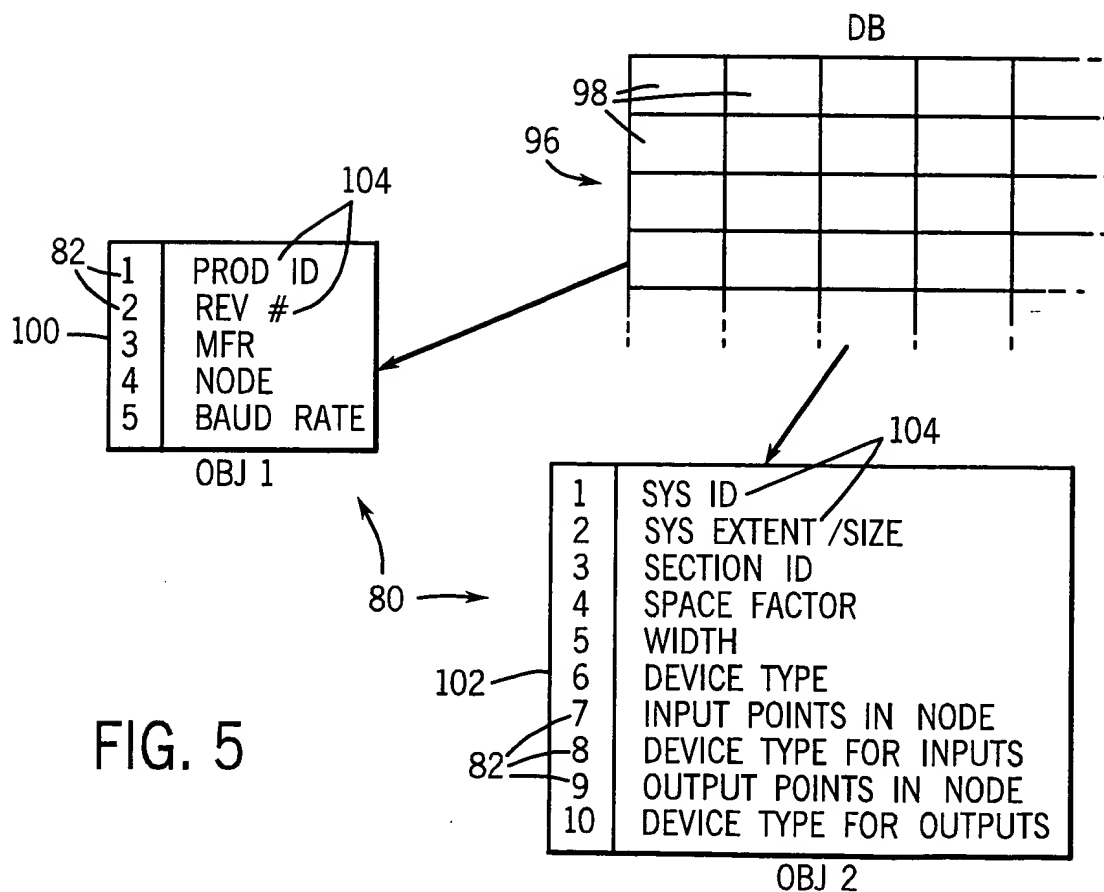
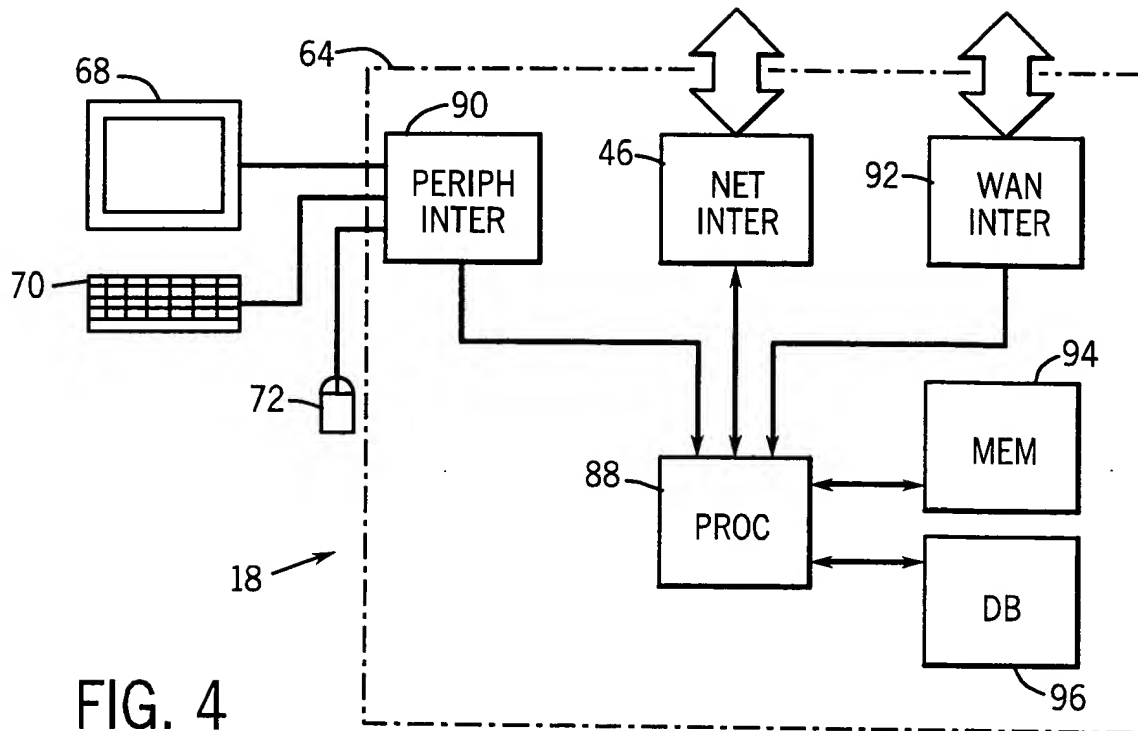


FIG. 3





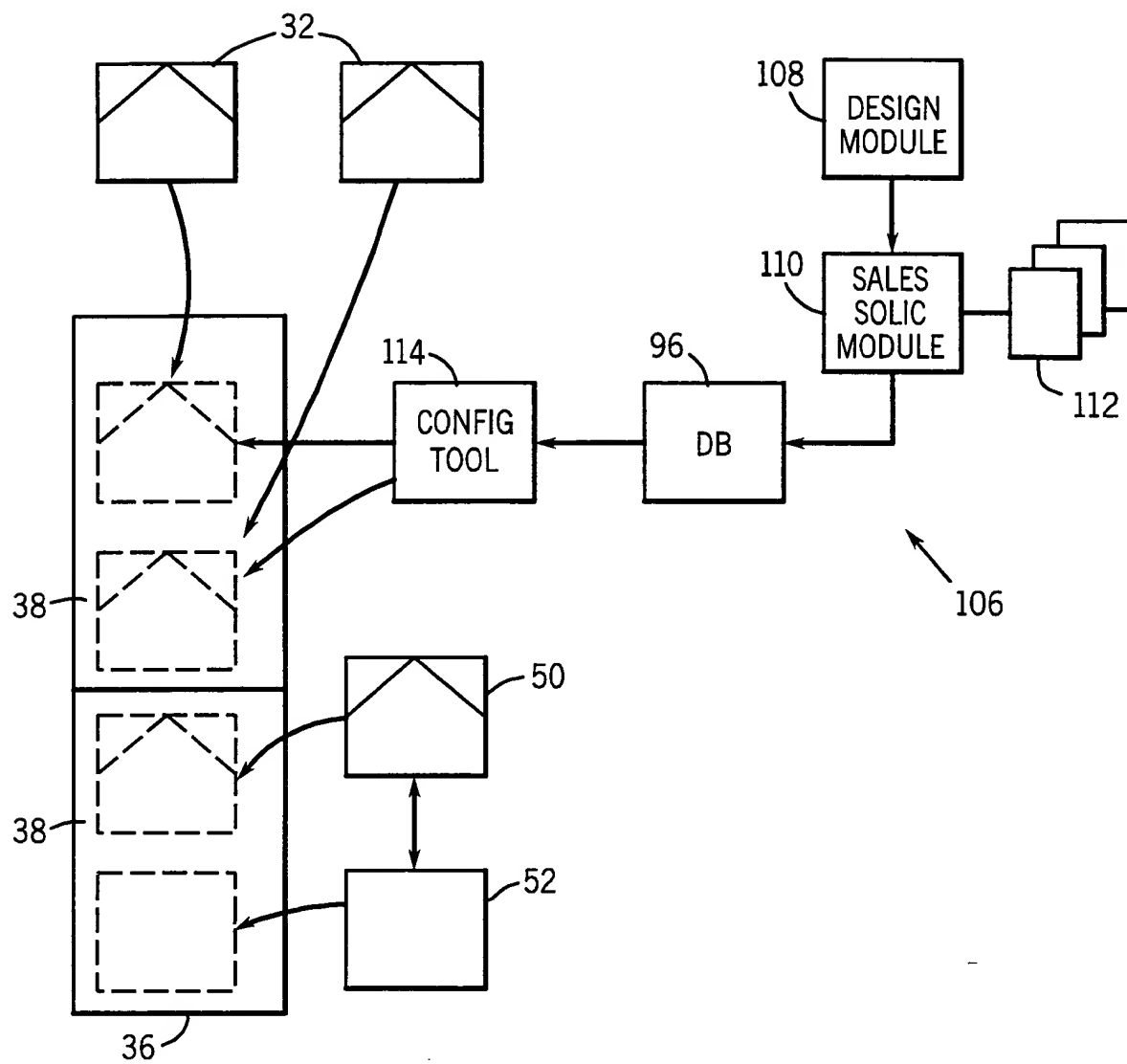
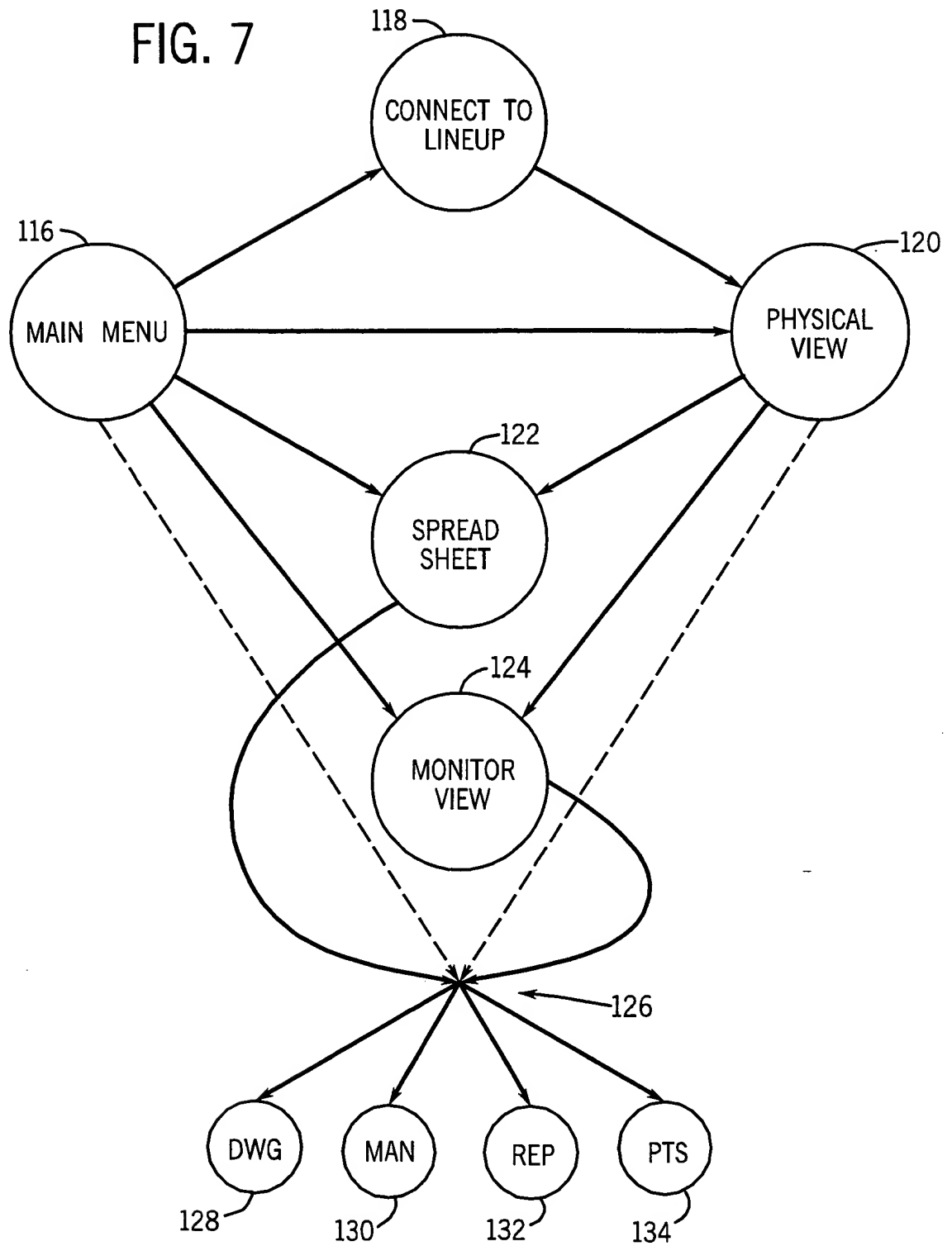
$$\frac{1}{\Gamma(\alpha)} \int_0^t (t-\tau)^{\alpha-1} f(\tau) d\tau = I^\alpha f(t), \quad t \geq 0, \quad (1)$$


FIG. 7



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1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651,

FIG. 9

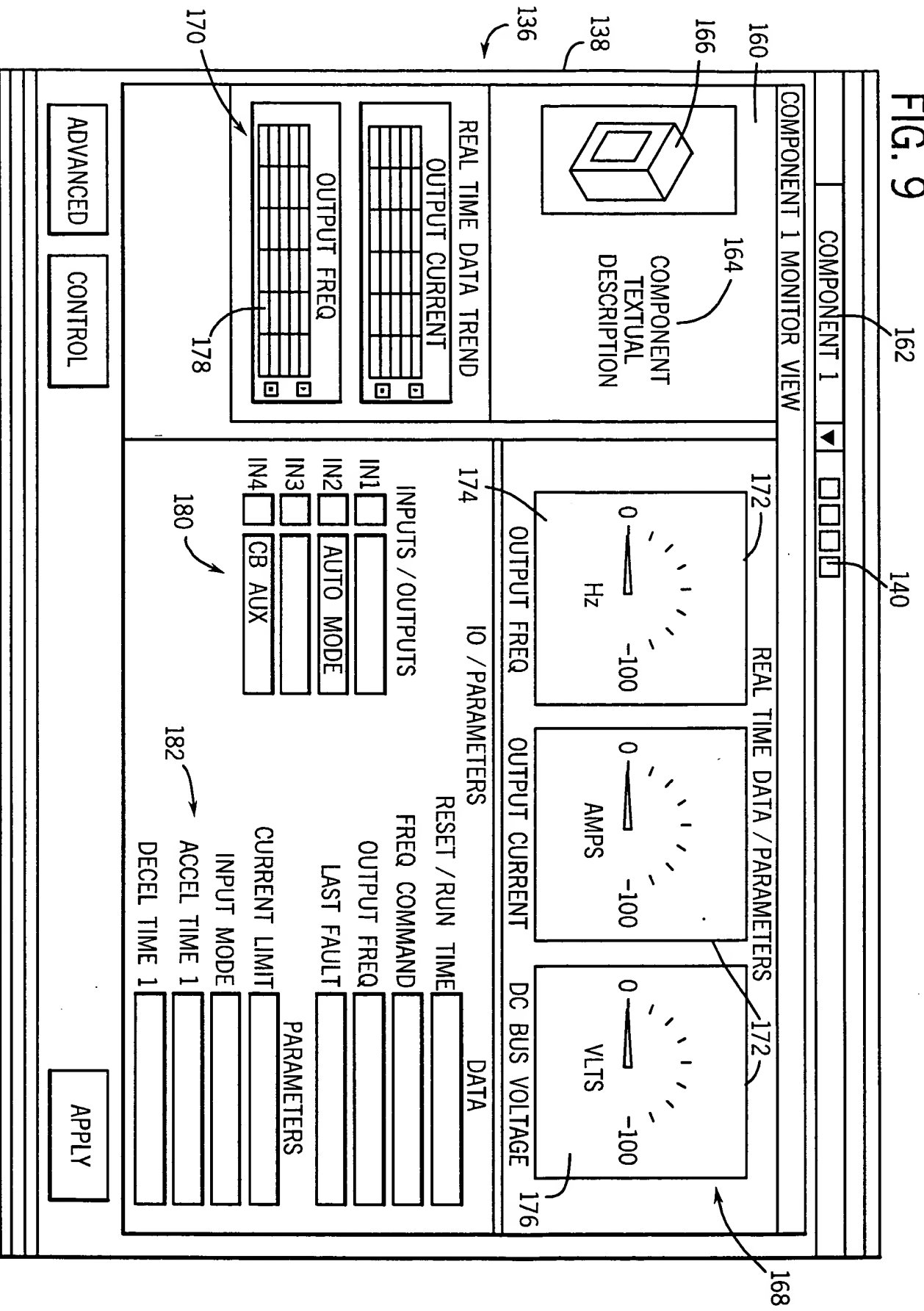


FIG. 9 is a schematic diagram of a component monitor view. The view includes a component icon, a component textual description, and three real-time data gauges: output frequency (Hz), output current (AMPS), and DC bus voltage (VLTS). Below the gauges are three data tables: real-time data trend for output current and output frequency, and a parameters table for inputs/outputs, reset/run time, frequency command, output frequency, last fault, current limit, input mode, acceleration time 1, and deceleration time 1. The interface also features 'ADVANCED' and 'CONTROL' tabs and an 'APPLY' button.

FIG. 10

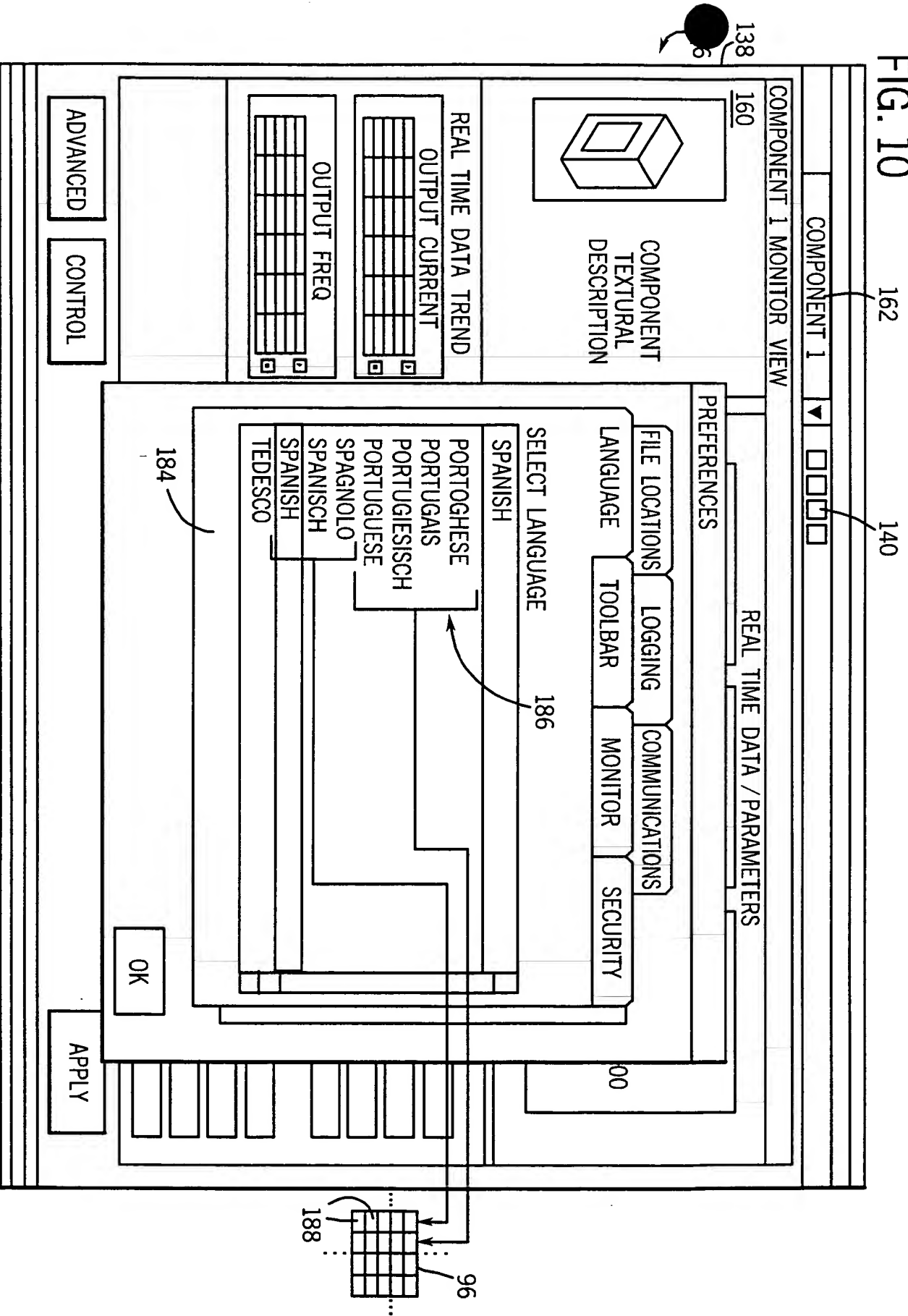


FIG. 11

SYSTEM 1

▼

☐
☐
☐
☐

SYSTEM 1 SPREADSHEET VIEW

SELECT SORT

NONE ▼

SELECT FILTER

NONE ▼

☐ ASCENDING
 ☐ DESCENDING
 ☒ NONE

198

190

138

136

192

194

DNET/DEVICE	NODE	VERT SECTION	UNIT LOC	SPACE FACTORS	UNIT TYPE	IN...	WIDTH	RATING	CATALOG NUMBER
DSA	07	2	E	1	FVNR		20	10HP	XXXXXX
DSA	06	2	G	1.5	FVR		20	2HP	XXXXXXXXXX
DSA	05	2	K	1	FVNR		20	15HP	XXXXXXXXXX
NONE		2	M	0.5	DOOR		20		
1336IMPACT	27	3	A	1	ACD		20	400A	
NONE		3	F	1	DOOR		20		
DSA	09	3	H	2	FVNR				
DSA		4	A	1	FVNR				

SHOW / HIDE COLUMNS...

EDIT I/O...

SHOW / & HIDE COLUMNS

COLUMN NAME	
DNET DEVICE	<input checked="" type="checkbox"/>
STATE	<input type="checkbox"/>
NODE	<input checked="" type="checkbox"/>
SERIAL NUMBER	<input type="checkbox"/>
VERT SECTION	<input checked="" type="checkbox"/>
UNIT LOC	<input checked="" type="checkbox"/>
SPACE FACTORS	<input checked="" type="checkbox"/>
DUAL UNIT	<input type="checkbox"/>
LEFT / RIGHT	<input type="checkbox"/>

OK

CANCEL

196

FIG. 12

144

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EVENT LOG

DOCUMENTATION

SYSTEM 1

SYSTEM 1 SPREADSHEET VIEW

REPORTS

MANUALS

SPARE PARTS

SELECT SORT

NONE

ASCENDING

DESCENDING

NONE

DEVICE SERIAL...	DATE	SECTION	LOCATION	DESCRIPTION	DEVICE TYPE	USER 1	USER 2	USER 3
1074397223	06 / 16 / 2000 14:12:54	3	A	SERIAL NO. CHANGE ON DEVICENET...	1336PLUSII			
1074397223	06 / 22 / 2000 11:03:26	3	A	SERIAL NO. CHANGE ON DEVICENET...	1336PLUSII			
1074397223	06 / 23 / 2000 15:32:47	3	A	NO COMMUNICATION	1336PLUSII			
1074397223	.	3	A	NO COMMUNICATION	1336PLUSII			
1074397223	.	3	A	NO COMMUNICATION				
1074397223	.	3	A	FAULT				

SHOW / HIDE COLUMNS...

FIG. 13

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SYSTEM 1

☐
☐
☐
☐
☐

ELEVATION VIEW SYSTEM 1

MANUALS

SELECT SORT

NONE

SELECT FILTER

NONE

☐ ASCENDING
 ☐ DESCENDING
 ☒ NONE

NAME

NAME 1

NAME 2

NAME 3

PUBLICATION DESC.

DISCONNECT SWITCHES

DESCRIPTION 2

DESCRIPTION 3

DATE

1A-MCB

1E-FVNR

1G-FVNR

.

.

1

2

3

5

6

COMP 5

COMP DESIG

DOCUMENTATION

DRAWINGS

REPORTS

MANUALS

COMP 23

MP DESIG

SPARE PARTS

☒ READY
 ☒ RUNNING
 ☒ WARNING
 ☒ FAULT
 ☒ NO COMMUNICATION

Apply

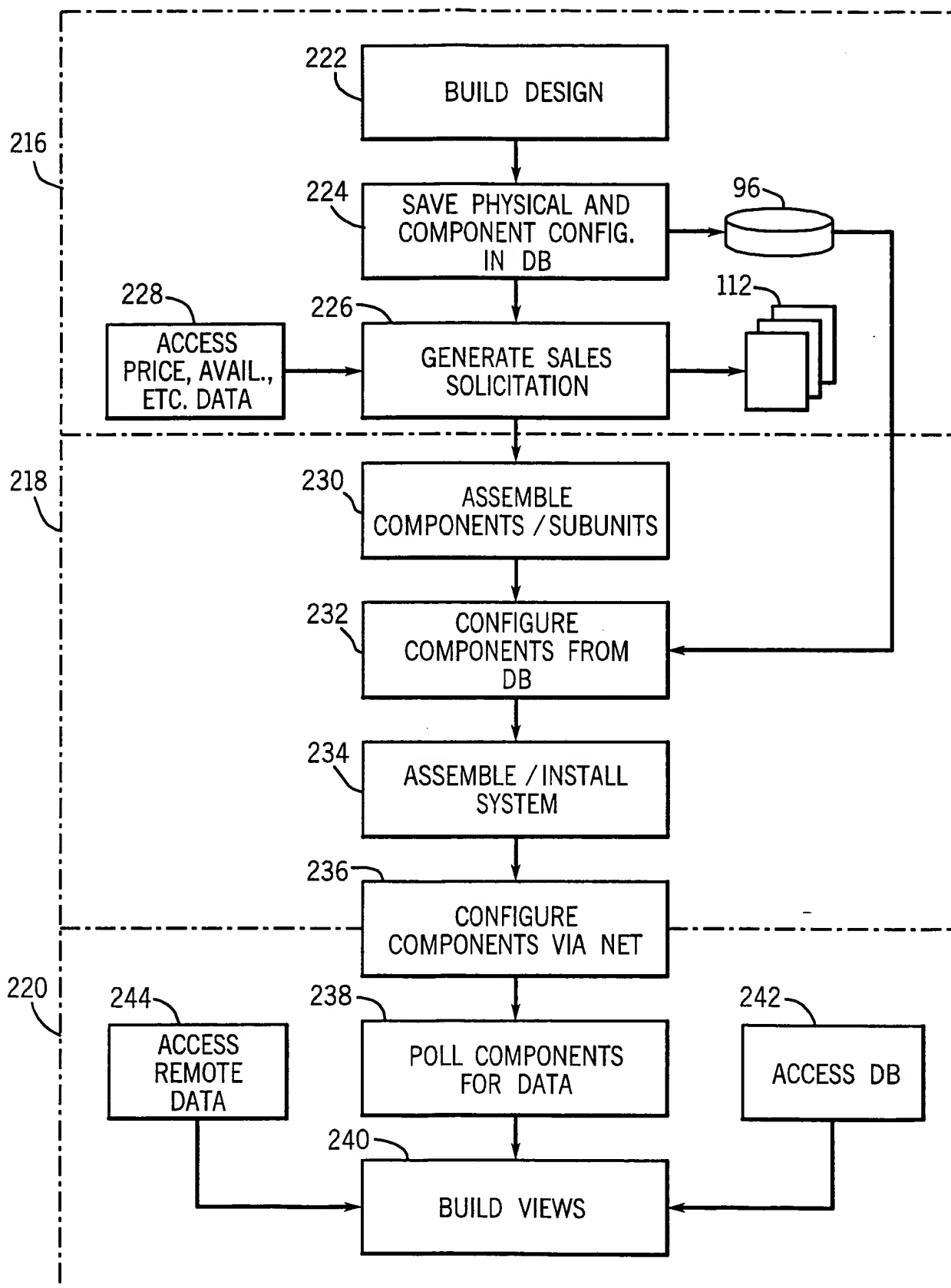


FIG. 14

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